

# Permit to Operate

**FACILITY:** S-48

**EXPIRATION DATE:** 08/31/200

**LEGAL OWNER OR OPERATOR:** CRIMSON RESOURCE MANAGEMENT

**MAILING ADDRESS:** 5500 MING AVE, SUITE 480  
BAKERSFIELD, CA 93309

**FACILITY LOCATION:** 1-C GAS PLANT  
TAFT, CA

**FACILITY DESCRIPTION:** GAS PLANT

The Facility to Operate may include Facility-wide Requirements as well as requirements that apply to specific permit units.

The Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require prior District approval. This permit shall be posted as prescribed in District Rule 2010.

**DAVID L. CROW**

Executive Director / APCO

**Seyed Sadredin**

Director of Permit Services

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-48-0-1

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

## **PERMIT UNIT REQUIREMENTS**

1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)], [Federally Enforceable Through Title V]
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)], [Federally Enforceable Through Title V]
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0], [Federally Enforceable Through Title V]
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (7/21/94). [District Rule 2010, 3.0 and 4.0; 2020; and County Rule 201 (in all eight counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.9.1 and 9.13.1], [Federally Enforceable Through Title V]
6. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031], [Federally Enforceable Through Title V]
7. Every application for a permit required under Rule 2010 (12/17/92) (Permits Required) shall be filed in a manner and form prescribed by the District. [District Rule 2040], [Federally Enforceable Through Title V]
8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.5.1], [Federally Enforceable Through Title V]
9. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
10. The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.6.1], [Federally Enforceable Through Title V]
11. Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520(6/15/95) [District Rules 2520, 9.6.2 and 1100, 7.0], [Federally Enforceable Through Title V]
12. If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.8], [Federally Enforceable Through Title V]

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13. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.9.2], [Federally Enforceable Through Title V]
14. The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.9.3], [Federally Enforceable Through Title V]
15. The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.9.4], [Federally Enforceable Through Title V]
16. The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.9.5], [Federally Enforceable Through Title V]
17. The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.10], [Federally Enforceable Through Title V]
18. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.14.2.1], [Federally Enforceable Through Title V]
19. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.14.2.2], [Federally Enforceable Through Title V]
20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.14.2.3], [Federally Enforceable Through Title V]
21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.14.2.4], [Federally Enforceable Through Title V]
22. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (12/17/92), by using EPA method 9. If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
23. No person shall supply, sell, solicit or apply any architectural coating, except specialty coatings, that contains more than 250 grams of VOC per liter of coating (less water and exempt compounds, and excluding any colorant added to tint bases), or manufacture, blend, or repack such coating with more than 250 grams of VOC per liter (less water and exempt compounds, and excluding any colorant added to tint bases) for use within the District. [District Rule 4601, 5.1], [Federally Enforceable Through Title V]
24. No person shall apply, sell, solicit, or offer for sale any specialty architectural coating listed in the Table of Standards (District Rule 4601, Table 1 (12/17/92)), nor manufacture, blend, or repack such coating for use within the District, which contains VOCs (less water and exempt compounds, excluding any colorant added to tint bases) in excess of the specified limits listed in Table 1 of Rule 4601 (12/17/92). [District Rule 4601, 5.2], [Federally Enforceable Through Title V]
25. All VOC-containing materials shall be stored in closed containers when not in use. In use includes, but is not limited to: being accessed, filled, emptied, maintained or repaired. [District Rule 4601, 5.4], [Federally Enforceable Through Title V]
26. A person shall not use VOCs for the cleanup of spray equipment unless equipment for collection of the cleaning compounds and minimizing its evaporation to the atmosphere is used. [District Rule 4601, 5.5], [Federally Enforceable Through Title V]
27. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.2 (12/17/92). [District Rule 4601, 6.1 and 6.2], [Federally Enforceable Through Title V]
28. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official [District Rule 2520, 9.14.1 and 10.0], [Federally Enforceable Through Title V]
29. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F], [Federally Enforceable Through Title V]
30. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B], [Federally Enforceable Through Title V]

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31. Disturbances of soil related to any construction, demolition, excavation, extraction, or water mining activities shall comply with the requirements for fugitive dust control in SJVUAPCD District Rule 8020 (4/25/96) unless specifically exempted under section 4 of Rule 8020 (4/25/96). [District Rule 8020], [Federally Enforceable Through Title V]
32. Outdoor handling and storage of any bulk material which emits dust shall comply with the requirements of SJVUAPCD Rule 8030 (4/25/96), unless specifically exempted under section 4 of Rule 8030 (4/25/96). [District Rule 8030], [Federally Enforceable Through Title V]
33. Any paved road over 3 miles in length, and any unpaved roads over half a mile in length, constructed after December 10, 1993 shall use the design criteria and dust control measures of, and comply with the administrative requirements of, SJVUAPCD Rule 8060 (4/25/96) unless specifically exempted under section 4 of Rule 8060 (4/25/96). [District Rule 8060], [Federally Enforceable Through Title V]
34. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M], [Federally Enforceable Through Title V]
35. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.17], [Federally Enforceable Through Title V]
36. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2], [Federally Enforceable Through Title V]
37. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permit shall apply. [District Rule 2520, 9.1.1], [Federally Enforceable Through Title V]
38. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), Rules 201, 202, 203, 204, 208, and 209 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin), Rule 410.1 (Kern), and Rule 423 (Kern, Fresno, Stanislaus, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
39. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (12/17/92); 4601, sections 5.1, 5.2, 5.4, 5.5, 6.1, and 6.2 (12/17/92); 8020 (4/25/96); 8030 (4/25/96); 8060 (4/25/96); A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
40. When applicable to 40 CFR Part 68, a subject facility shall submit to the proper authority a Risk Management Plan, and comply with all the requirements of Program 1, 2, or 3 when mandated by the regulation. [40 CFR Part 68], [Federally Enforceable Through Title V]
41. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-48-1-5

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

3.2 MMBTU/HR GAS PLANT INCL. COMPRESSION SYSTEM, DRIP CONDITIONING SYS., GLYCOL SYS., SEPARATION SYS., FRACTIONATION SYS., HEATING SYS., REFRIGERATION SYS., COOLING WATER SYS., MOLECULAR SIEVE SYS., AND SMOKELESS EMERGENCY FLARE

## **PERMIT UNIT REQUIREMENTS**

1. Glycol reboiler shall only vent to vapor control system, including air cooled heat exchanger and gas/liquid separator vessel. [District NSR Rule], [Federally Enforceable Through Title V]
2. Glycol reboiler vapor control system shall vent to any of the following compressor #'s K-12 (permit # S-48-9), K-14, K-15, and K-16 (permit # S-48-10). [District NSR Rule], [Federally Enforceable Through Title V]
3. All pressure relief valves shall not vent to atmosphere except during breakdown conditions as described in Rule 1100, section 3.0. [District NSR Rule], [Federally Enforceable Through Title V]
4. Fugitive VOC emission rate shall not exceed 25.4 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
5. Permittee shall maintain with the permit, accurate fugitive component counts and resulting emissions calculated using U.S. EPA publication EPA-450/3-83-007, Tables 3-1 and 3-4. [District NSR Rule], [Federally Enforceable Through Title V]
6. The requirements of 40 CFR 60, Subpart LLL, do not apply to this permit unit because the unit contains no sweetening unit. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
7. Gas plant shall include electrified field booster compressor (formerly PTO S-2199-22-0) located at Section 31, T12N, R23W. [District NSR Rule], [Federally Enforceable Through Title V]
8. Valves, flanges, seals on pumps and compressors and heat exchangers shall be maintained to prevent the emission of volatile organic compounds. [District NSR Rule], [Federally Enforceable Through Title V]
9. Hot oil heater shall be fired on natural gas only. [District NSR Rule], [Federally Enforceable Through Title V]
10. Total sulfur content of natural gas combusted shall not exceed 0.30 grain/100 scf. [District NSR Rule], [Federally Enforceable Through Title V]
11. Emergency flare shall only be used in breakdown conditions pursuant to Rule 1100. [District NSR Rule], [Federally Enforceable Through Title V]
12. Smokeless flare combustion air assist fan shall be capable of supplying 100% of stoichiometric combustion air requirements. [District NSR Rule], [Federally Enforceable Through Title V]
13. Produced gas shall be piped only to fuel gas system or sales gas pipeline. [District NSR Rule], [Federally Enforceable Through Title V]
14. Emissions rates from heater (H-1) shall not exceed the following: PM10: 0.025 lb/hr, SOx (as SO2): 0.004 lb/hr, NOx (as NO2): 0.48 lb/hr, VOC: 0.025 lb/hr, CO: 0.096 lb/hr. [District NSR Rule], [Federally Enforceable Through Title V]
15. A leak is defined 1) a reading as methane in excess of 10,000 ppm above background when measured in accordance with EPA Method 21, or 2) liquids dripping so that there is any visible leakage from the seal, including spraying, misting, clouding, and ice formation. [District Rule 4403, 3.3.1 and 40 CFR 60.481 and 482-2(b)(1)], [Federally Enforceable Through Title V]
16. An instrument used for leak detection shall be calibrated before use each day of its use by the procedures specified in Method 21 using the following calibration gases: A) zero air (less than 10 ppm of hydrocarbon in air) and B) mixture of methane and air at a concentration of about, but less than 10,000 ppm methane. [District Rule 4403, 3.3.1 and 40 CFR 60.485(b)], [Federally Enforceable Through Title V]
17. Each piece of equipment or component subject to requirements of this permit unit shall be presumed to be in VOC service or in wet gas service unless operator demonstrates otherwise and shall be tested for compliance with leak emission limits. [40 CFR 60.485(d) and 60.632(f)], [Federally Enforceable Through Title V]
18. Leak detection shall be performed in accordance with EPA Method 21. [District Rule 4403, 6.3.4], [Federally Enforceable Through Title V]
19. Each hatch shall be closed at all times except during sampling or attended maintenance operations. [District Rule 4403, 5.2.1], [Federally Enforceable Through Title V]

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20. All components, excluding flanges and threaded connections, handling VOCs shall be inspected at least quarterly to detect any leaks. If less than two (2) percent of any component type subject to the prohibitions of this permit, except for pressure relief valves, pumps, and compressors, are found to leak during each of five (5) consecutive quarterly inspections, the inspection frequency for that component type may be changed from quarterly to annual. If any annual inspection shows that two (2) percent or more of all of a specific component type subject to the prohibitions of this permit are leaking, then quarterly inspections of that component type shall be resumed. All flanges and threaded connections handling VOCs shall be inspected at least annually to detect any leaks. [District Rule 4403, 5.2.3 and 40 CFR 60.483-1(b)(1), 60.483-2(b)(3), 60.483-2(b)(4)], [Federally Enforceable Through Title V]
21. The operator shall notify the APCO if they have elected to comply with the allowable percentage of leaking valves provisions of this permit 90 days before implementing this alternative. [40 CFR 60.483-1(b)(1) and (d), and 60.487(d)], [Federally Enforceable Through Title V]
22. A performance test shall be conducted initially upon designation for allowable percentage of leaking valves, annually, and at other times requested by the APCO. The performance test shall be conducted as follows: 1) all valves in gas/vapor and light liquid service shall be monitored within 1 week using EPA Method 21 and 2) the leak percentage shall be determined by dividing the number of leaking valves detected and valves for which repair has been delayed by the number of valves in gas/vapor and light liquid service in this permit unit, and 3) a record must be kept of the percent of valves found leaking during each leak detection period. [40 CFR 60.483-1(b)(2) and (c) and 60.483-2(b)(5) and (6)], [Federally Enforceable Through Title V]
23. The number of leaks of a component type shall not exceed two (2) percent of the total number of components of that type that were inspected and that are subject to the requirements of this permit. For inspections conducted by District personnel to determine compliance with this requirement, the number of components inspected shall constitute a statistically representative sample for each component type. [District Rule 4403, 5.2.10], [Federally Enforceable Through Title V]
24. When any component leak is detected or identified by a Notice to Repair, it shall be repaired to a leak-free condition and reinspected no later than 15 calendar days after detection. A first attempt at repair shall be made no later than 5 calendar days after leak detection. [District Rules 2520, 9.1 and 4403, 5.3.1, 5.3.2, and 5.2.9; 40 CFR 60.482-2(c)(1) and (c)(2), 60.482-3(g), 60.6 33(b)(3), 60.482-7(d), and 60.482-8(c)], [Federally Enforceable Through Title V]
25. Delay of leak repair will be allowed if the repair is technologically infeasible without a process unit shutdown and the leaking component is an essential part of a critical process identified in the operator management plan and the leak has been minimized within 15 calendar days. If the valve leak which has been minimized still exceeds the limit in this permit, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but no later than one year from the date of the original leak detection. If the pump leak which has been minimized still exceeds the limit in this permit requires the use of a dual mechanical seal system that includes a barrier fluid system, the essential component shall be repaired to eliminate the leak during the next process unit turnaround, but no later than six months from the date of the original leak detection. Delay of repair is allowed for equipment which is isolated from the process and which does not remain in VOC service. [District Rule 4403, 4.2.1, 5.3.1.1 and 40 CFR 60.482-2(c)(1) & 60.482-9(a)&(b)], [Federally Enforceable Through Title V]
26. Equipment that is in vacuum service is exempt from the control and monitoring requirements and work practice standards of this permit unit, provided it is identified as such in the equipment log required by this permit. [District Rule 4403, 4.2.2; 40 CFR 60.482-1(d)], [Federally Enforceable Through Title V]
27. Each pump in light liquid service shall be monitored monthly for leak detection in accordance with EPA Method 21. Each such pump shall be monitored weekly by visual inspection for indication of liquids dripping from the pump seal. [District Rule 4403, 5.2.5 and 40 CFR 482-2(a)(1) and 482-2(b)(2)], [Federally Enforceable Through Title V]
28. Each pump in light liquid service, equipped with a dual mechanical seal system that includes a barrier fluid system, is exempt from the other leak detection monitoring requirements for this permit unit, provided requirements pursuant to 40 CFR 60.482-2(d) are met. The barrier fluid system of such exempt equipment shall be equipped with a sensor system to detect seal system failure, barrier fluid system failure, or both. Each such pump shall be checked weekly for liquid dripping from the seals. Each sensor shall be checked daily or equipped with an audible alarm. Such exempted equipment shall be documented in the OMP. [40 CFR 60.482-2(d)], [Federally Enforceable Through Title V]
29. All compressors associated with this permit unit shall be reciprocating compressors in wet gas service only unless operator demonstrates otherwise. In wet gas service means that a piece of equipment contains or contacts the field gas before the extraction step in the process. [40 CFR 60.482-3(b), 60.633(f), 60.482-3(a), and 60.632(f)], [Federally Enforceable Through Title V]
30. Each pressure relief device in gas/vapor service shall be monitored quarterly and within 1 day after each pressure release to detect leaks of 10,000 ppm or greater. [District Rule 4403, 5.2.6 and 40 CFR 60.633(b)(1) and (2)], [Federally Enforceable Through Title V]
31. Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve, so that the open end is sealed at all times, except during operations requiring process fluid flow through the valve or line. [District Rule 4403, 5.2.2 and 40 CFR 60.482-6(a)], [Federally Enforceable Through Title V]
32. Each open-ended valve or line equipped with a second valve shall be operated so that the valve on the process fluid end is closed before the second valve is closed. [40 CFR 60.482-6(b)], [Federally Enforceable Through Title V]
33. When a double block-and-bleed system is being used, the bleed valve or line may remain open only during operations that require venting the line between the block valves. [40 CFR 60.482-6(c)], [Federally Enforceable Through Title V]

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34. Each valve in gas/vapor service or light liquid service shall be monitored monthly to detect leaks using EPA Method 21. If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. Any valve for which a leak is not detected for 2 successive months may be monitored the first month of every quarter. If a leak is subsequently detected, monitoring shall revert to monthly. [40 CFR 60.482-7(a), (b), and (c)], [Federally Enforceable Through Title V]
35. For a valve in gas/vapor service or light liquid service, first attempts at repair shall include the following where practicable: 1) tightening of bonnet bolts, 2) replacement of bonnet bolts, 3) tightening of packing gland nuts, and 4) injection of lubricant into lubricant packing. [40 CFR 60.482-7(e) and 60.482-8(d)], [Federally Enforceable Through Title V]
36. Any valve in gas/vapor service or light liquid service that is designated in the equipment log list and OMP as an unsafe-to-monitor valve is exempt from the monthly leak inspection requirements for this permit unit, provided: 1) the owner/operator demonstrates the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence, and 2) a written plan is adhered to that requires monitoring of the valve as frequently as practicable during safe-to-monitor times and at least annually and during shutdown. [District Rule 4403, 5.2.4; 40 CFR 60.482-7(g)], [Federally Enforceable Through Title V]
37. Any valve in gas/vapor service or light liquid service that is designated in the equipment log list and OMP as a difficult-to-monitor (inaccessible) valve is exempt from the monthly leak inspection requirements for this permit unit, provided: 1) the owner/operator demonstrates the valve cannot be monitored without elevating the monitoring personnel more than 15 feet above a support surface, or that it is over 6 feet away from a platform, 2) the process unit within which the valve is located either becomes an affected facility through 40 CFR 60.14 or 60.15 or if the owner/operator designates less than 3.0% of the total number of valves as difficult-to-monitor, and 3) a written plan is adhered to that, requires monitoring of the valve at least annually and during shutdown. [District Rule 4403, 3.1.7 and 5.2.4; 40 CFR 60.482-7(h)], [Federally Enforceable Through Title V]
38. Components that are located in inaccessible locations or in areas unsafe for personnel shall be inspected and repaired at least annually and during shutdown, and such components shall be identified in the OMP. [District Rule 4403, 5.2.4], [Federally Enforceable Through Title V]
39. Pressure relief devices in light liquid service and flanges and other connectors shall be monitored within 5 days for leak detection in accordance with EPA Method 21, if evidence of a potential leak is found by sight, sound, smell, or any other detection method. A leak is detected if an instrument reading of 10,000 ppm or greater is measured. [40 CFR 60.482-8(a) and (b)], [Federally Enforceable Through Title V]
40. An owner or operator of more than one affected onshore natural gas processing facility subject to NSPS requirements for equipment leaks for VOC, may comply with the recordkeeping requirements for these facilities in one recordkeeping system if the system identifies each record by each facility. [40 CFR 60.486(a)(1) and (2)], [Federally Enforceable Through Title V]
41. When a leak is detected or identified by a Notice to Repair, a weatherproof and readily visible tag shall be attached, bearing the equipment identification number and date which the leak is detected. The tag on a valve may be removed after it has been monitored for 2 successive months and no leak has been detected. The tag of all other equipment may be removed after repair and re-inspection document compliance with the requirements of this permit unit. [District Rule 4403, 5.2.7 and 5.3.2; 40 CFR 60.486(b) and 60.635(b)(1)], [Federally Enforceable Through Title V]
42. Any leak detected on the basis of sight, smell, or sound or identified by a Notice to Repair shall be identified by the operator affixing a weatherproof readily visible tag bearing the date on which the leak is detected. The tag shall remain in place until repair and reinspection document compliance, whether or not operator inspection is otherwise required by this permit. [District Rule 4403, 5.2.8 and 5.3.2], [Federally Enforceable Through Title V]
43. When a leak is detected, the following information shall be recorded in an inspection log and such log shall be maintained for a period of five years: 1) instrument and operator identification numbers and the equipment identification number, 2) date the leak was detected, dates and repair method of each attempt to repair the leak, and date of successful repair 3) "above 10,000" if the maximum instrument reading after each repair attempt is equal to or greater than 10,000 ppm, 4) "repair delayed" and reason for delay and expected date of successful repair if a leak is not repaired within 15 days of detection, 5) signature of individual whose decision it was that repair could not be effected without a process shutdown, 6) dates of process unit shutdown that occur while the equipment is unrepaired. [District Rule 4403, 6.2.1 and 40 CFR 60.486(c) and 60.635(2)(i) through (ix)], [Federally Enforceable Through Title V]
44. Each operator shall maintain an inspection log containing the following additional information: name, location, type of components, and description of any unit where leaking components are found; emission level (ppm) of leak, and method of detection; emission level of recheck after leak is repaired; total number of components inspected, and total number and percentage of leaking components found; identification and location of essential parts of critical process units found leaking that cannot be repaired until the next process unit turnaround; and method used to minimize the leak from essential parts of critical process units which cannot be repaired until the next process unit turnaround. [District Rule 4403, 6.2.1], [Federally Enforceable Through Title V]
45. A log shall be maintained containing the following information: 1) a list of identification numbers for equipment subject to the requirements of this permit unit and 2) a list of identification numbers for equipment in vacuum service. [40 CFR 60.486(e) and 60.635(b)(2)(x)], [Federally Enforceable Through Title V]
46. A log shall be maintained containing the following information for valves in gas/vapor service and light liquid service: 1) a list of identification numbers for valves designated "unsafe-to-monitor" and for valves designated "difficult-to monitor", 2) an explanation for each valve stating why it is so designated, and 3) the schedule for monitoring each such valve. [40 CFR 60.486(f)], [Federally Enforceable Through Title V]

## Initial TV Permit

47. A log shall be maintained containing the following information for pumps equipped with a barrier fluid seal system which includes a seal failure sensor, for which a system failure criteria is required to be established, pursuant to the requirements for this permit unit: 1) the design criterion required by this permit and an explanation and 2) any changes to this criterion and reasons for the changes. [40 CFR 60.486(h)], [Federally Enforceable Through Title V]
48. Information and data used to demonstrate that a reciprocating compressor is in wet gas service shall be recorded in a log. [40 CFR 60.635(c)], [Federally Enforceable Through Title V]
49. All logs required for this permit unit and all records of required monitoring data and support information shall be retained by the operator for a minimum of five years after the date of an entry, kept in a readily accessible location, and made available upon request to District personnel. [District Rule 4403, 6.2.3 and 2520, 9.5.2], [Federally Enforceable Through Title V]
50. A new or modified operator management plan shall be submitted to the APCO with any application for Authority to Construct for modification of this permit unit. [District Rule 4403, 6.1.2], [Federally Enforceable Through Title V]
51. An initial semiannual report containing information, pursuant to 40 CFR 60.487(b) and 60.636(b), shall be submitted to the APCO beginning 6 months after the initial startup date. [40 CFR 60.487(b) and 60.636(b)], [Federally Enforceable Through Title V]
52. Semiannual reports shall be submitted to the APCO containing the following information: 1) process unit identification, 2) for each month during the reporting period, number of valves, pumps, compressors, and pressure relief devices for which leaks were detected; number of valves, pumps, compressors, and pressure relief devices for which leaks were not repaired within 15 days and a first attempt not made within 5 days of leak detection; the facts that explain each delay of repair and, where appropriate, why a process unit shutdown was technically infeasible 3) dates of process unit shutdowns which occurred within the reporting period, and 4) revisions to items reported in the initial or subsequent semiannual reports. [40 CFR 60.487(a) and (c) and 60.636(c)], [Federally Enforceable Through Title V]
53. Compliance with Title V permit conditions for this unit shall be deemed compliance with applicable requirements of District Rule 4403, formerly 465.3 (as amended February 16, 1995). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
54. Compliance with Title V permit conditions for this unit shall be deemed compliance with applicable requirements of 40 CFR 60, Subpart KKK. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
55. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201], [Federally Enforceable Through Title V]
56. The sulfur content of the natural gas used to fire the heaters and flare shall be tested weekly except that if compliance with the fuel sulfur content limit is demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content limit, the source must return to weekly testing until eight consecutive weeks show compliance. The sulfur content shall be determined using ASTM method D 2784, D 1072, D 3031, D 4084, or D 3426. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
57. A trained observer as defined EPA method 22, shall check visible emissions from the flare at least once per year for a period of 15 minutes. If visible emissions are detected at any time during this period, the observation period shall be extended to 2 hours. A record containing the results of these observations shall be maintained, which also includes company name, process unit, observers name and affiliation, date, estimated wind speed and direction, sky condition and the observer's location relative to the source and sun. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
58. Effective June 17, 2002, all glycol dehydrator process vent emissions shall be routed to a process natural gas line. [40 CFR 63.765 (c)(1)], [Federally Enforceable Through Title V]
59. Effective June 17, 2002, The owner/operator shall not shut down equipment required for compliance with 40 CFR 63 subpart HH if the shutdown would contravene requirements based on subpart HH; unless: 1) the equipment is malfunctioning; or 2) the equipment must be shut down to avoid damage due to a startup, shutdown or malfunction of associated equipment. [40 CFR 63.762(b)], [Federally Enforceable Through Title V]
60. Effective June 17, 2002, during startups, shutdowns, and malfunctions when the requirements of 40 CFR 63 subpart HH do not apply pursuant to provision of this permit, the owner/operator shall implement measures to prevent or minimize emissions to the maximum extent practical as described in 40 CFR 63.762 (c). [40 C FR 63.762(c)], [Federally Enforceable Through Title V]
61. Effective June 17, 2002, the owner/operator shall prepare a startup, shutdown, and malfunction plan as described in 40 CFR 63.762(d). [40 CFR 63.762(d)], [Federally Enforceable Through Title V]
62. Effective June 17, 2002, annual average benzene emissions shall not exceed 1980 pounds per year. [40 CFR 63.764(e)(ii)], [Federally Enforceable Through Title V]
63. Effective June 17, 2002, the owner/operator shall calculate the actual average benzene emissions from glycol dehydrator process vents using GRI-GLYCalc version 3.0 or higher software and the procedures in the software technical reference manual. Inputs shall be representative of actual operating conditions and may be determined using the Gas Research Institute report GRI-95/0368.1. [40 CFR 63.772(b)(2)], [Federally Enforceable Through Title V]
64. Effective June 17, 2002, the owner/operator shall maintain the records of actual average benzene emissions (in terms of benzene emission per year) as required by 40 CFR 63.774(b)(1). [40 CFR 63.774(d)(1)(ii)], [Federally Enforceable Through Title V]



## **Initial TV Permit**

65. Effective June 17, 2002, the owner/operator shall maintain all records required by 40 CFR 63.774. Records shall be maintained for a period of 5 years following the date of each occurrence, measurement, maintenance corrective action, report or period. All applicable records shall be maintained in hard copy or computer readable form in a manner such that they can be readily accessed. The most recent 12 months of records shall be maintained on site or shall be accessible from a central location by computer or other means that provides for access within 2 hours. The remaining 4 years of records may be retained offsite. [40 CFR 63.774], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-48-2-2

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

THREE 14,000 GALLON NATURAL GASOLINE STORAGE TANKS, ONE NATURAL GASOLINE LOADING RACK WITH TWO 25 HP PUMPS, ONE PROPANE/BUTANE LOADOUT RACK WITH ONE 10 HP PUMP, AND ODORANT INJECTION SYSTEM

## **PERMIT UNIT REQUIREMENTS**

1. Natural gasoline/LPG storage tanks and loading rack shall be equipped with vapor loss collection system as required by Rule 4624 (as amended 12/17/92). [District Rule 4624, 5.0], [Federally Enforceable Through Title V]
2. Odorant injection system shall include pressurized odorant storage vessel with no vent to the atmosphere (except for emergency pressure relief), odorant injection module with turbine meter, and fugitive components. [District NSR Rule], [Federally Enforceable Through Title V]
3. Odorant storage tank shall not be filled more than once per day and the operator shall record the number of times the odorant storage tank is filled each day. [District NSR Rule and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
4. VOC emissions from fugitive components installed in conjunction with the odorant injection system shall be less than 0.5 lb per day. [District NSR Rule], [Federally Enforceable Through Title V]
5. All valves and flanges shall be maintained leak-free (as defined in Rule 4624, as amended 12/17/92). [District Rule 4624, 5.4], [Federally Enforceable Through Title V]
6. Permittee shall maintain with the permit, accurate fugitive component counts for components associated with the odorant injection system and resulting emissions calculated using U.S. EPA publication EPA-450/3-83-007, Tables 3-1 and 3-4. [District NSR Rule], [Federally Enforceable Through Title V]
7. The loading rack shall be equipped with bottom loading and a vapor collection and control system such that VOC emissions do not exceed 0.08 pounds per 1000 gallons of organic liquid with greatest vapor pressure loaded. [4624, 5.1.1 and Kern County Rule 413], [Federally Enforceable Through Title V]
8. Construction, reconstruction (as defined in District Rule 4001, amended January 19, 1995), or expansion of any top loading facility shall not be allowed. [District Rule 4624, 5.5], [Federally Enforceable Through Title V]
9. Loading and vapor collection and control equipment shall be designed, installed, maintained and operated such that there are no leaks or excess organic liquid drainage at disconnections. A leak shall be defined as the dripping of organic compounds at a rate of more than three drops per minute or the detection of organic compounds, in excess of 10,000 ppm as methane measured at a distance of one centimeter from the potential source in accordance with EPA Method 21. Excess liquid drainage shall be defined as exceeding 10 mls per average of 3 consecutive disconnects. [District Rule 4624, 5.4 and Kern County Rule 413], [Federally Enforceable Through Title V]
10. During the loading of organic liquids, the operator shall perform and record the results of quarterly leak inspections of the loading and vapor collection equipment at each loading arm. Leak inspections shall be conducted using sight, sound, smell and instrument methods to detect leaks. Instrument detection shall be conducted using EPA Method 21 and shall be measured at a distance of one centimeter from the potential source. The instrument shall be calibrated before use each day of its use by the procedures specified in Method 21 using the following calibration gases: A) Zero air (less than 10 ppm of hydrocarbon in air); and B) Mixture of methane and air at a concentration of about, but less than, 10,000 ppm methane. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
11. Corrective steps shall be taken at any time the operator observes excess drainage at disconnect. In addition, the operator shall perform and record the results of monthly drainage inspections at disconnect for each loading arm. If no excess drainage conditions are found during five consecutive monthly inspections, the drainage inspection frequency may be changed from monthly to quarterly. However, if one or more excess drainage condition is found during a quarterly inspection, the inspection frequency shall return to monthly. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
12. Drainage inspections shall be completed before 10:00 AM the day of inspection. Compliance shall be demonstrated by collecting all drainage at disconnect in a spouted container. The drainage shall be transferred to a graduated cylinder and the volume determined within one (1) minute of collection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Each detected leak shall be repaired within 15 calendar days of detection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. The permittee shall maintain an inspection log containing at least the following: A) dates of leak and drainage inspections, B) leak determination method, C) findings, D) corrective action (date each leak or excess drainage condition repaired, reasons for any leak repair interval in excess of 15 days), and E) inspector name and signature. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

## **Initial TV Permit**

15. All records necessary to determine compliance with the VOC emission limit for this unit shall be maintained for a period of at least 5 years and shall include component counts and recognized emission factors for fugitive emission sources. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
16. Compliance with these permit conditions in the Title V permit shall be deemed compliance with the requirements of Kern County Rule 413. A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
17. Compliance with these permit conditions in the Title V permit shall be deemed compliance with the following requirements: District Rule 4624, section 5.1.1 (as amended December 17, 1992). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-48-3-3

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

600 BHP NATURAL GAS FIRED CLARK MODEL RA-6 IC ENGINE DRIVING COMPRESSOR, S/N A-21184

## **PERMIT UNIT REQUIREMENTS**

1. Engine shall only use natural gas as fuel. [District NSR Rule], [Federally Enforceable Through Title V]
2. Emission rates shall not exceed the following: NOx (as NO2): 740 ppmv or 10.1 g/bhp-hr and CO: 2000 ppmv. [District Rule 4701, 5.1]
3. NOx and CO emissions shall be determined not less than once every 24 months, except as provided below. [District Rule 4701, 6.3.1]
4. NOx and CO emissions shall be determined by annual source testing of one or more representative IC engines as approved by the APCO. [District Rule 4701, 6.3.2]
5. District must be notified 30 days prior to any source testing and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081, 7.1], [Federally Enforceable Through Title V]
6. Source testing shall be by District witnessed, or authorized, sample collection by ARB certified testing laboratory. [District Rule 1081, 7.2], [Federally Enforceable Through Title V]
7. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081, 7.3], [Federally Enforceable Through Title V]
8. Source testing shall be performed for NOx (ppmv) according to EPA Method 7E (or ARB Method 100). Source testing for CO (ppmv) shall be performed according to EPA Method 10 (or ARB Method 100). [District Rule 4701, 6.4]
9. The following conditions must be met for representative unit(s) to be used to determine emissions for a group of units: 1) all units in the group are similar in terms of rated brake horsepower, make and series, operational conditions, maintenance, fuel used, and control method, 2) the group is owned by a single owner and located at a single stationary source, and 3) the selection of the representative unit(s) is approved by the APCO prior to testing. [District Rule 4701, 6.3.2]
10. The number of representative unit source tested shall be at least 10% of all units in the 600 BHP group. [District Rule 4701, 6.3.2]
11. All units in a group for which representative units are source tested to determine emissions shall have received the same maintenance and tune-up procedures as the representative unit(s). [District Rule 4701, 6.3.2]
12. An engine operating log shall be maintained for the each unit of the group. The log shall include, on a monthly basis, the total hours of operation, quantity of fuel used, and preventative and corrective maintenance and modifications performed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Should any of the representative units exceed the required emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. (This requirement shall not supersede a more stringent NSR or PSD permit testing requirement). [District Rule 4701, 6.3.2]
14. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. Compliance may be demonstrated by either utilizing PUC regulated gas or by source testing or by showing that the fuel sulfur content of natural gas is not greater than 4.2% by weight. [District Rule 4801], [Federally Enforceable Through Title V]
15. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201], [Federally Enforceable Through Title V]
16. An engine operating log shall be maintained on monthly basis specifying whether the IC engine is fired on PUC-regulated natural gas or not. If the IC engine is fired on PUC-regulated natural gas then the name of source shall be recorded. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the fuel being fired in the IC engine shall be determined using ASTM method D 2784, D 1072, D 3031, D 4084 or D 3246. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
18. If the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

## **Initial TV Permit**

19. Compliance with the requirements for this permit unit shall be deemed compliance with District Rules 4201 and 4801 and Kern County Rule 407. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-48-4-3

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

600 BHP NATURAL GAS FIRED CLARK MODEL RA-6 IC ENGINE DRIVING COMPRESSOR, S/N 21167

## **PERMIT UNIT REQUIREMENTS**

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1. Engine shall only use natural gas as fuel. [District NSR Rule], [Federally Enforceable Through Title V]
2. Emission rates shall not exceed the following: NOx (as NO2): 740 ppmv or 10.1 g/bhp-hr and CO: 2000 ppmv. [District Rule 4701, 5.1]
3. NOx and CO emissions shall be determined not less than once every 24 months, except as provided below. [District Rule 4701, 6.3.1]
4. NOx and CO emissions shall be determined by annual source testing of one or more representative IC engines as approved by the APCO. [District Rule 4701, 6.3.2]
5. District must be notified 30 days prior to any source testing and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081, 7.1], [Federally Enforceable Through Title V]
6. Source testing shall be by District witnessed, or authorized, sample collection by ARB certified testing laboratory. [District Rule 1081, 7.2], [Federally Enforceable Through Title V]
7. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081, 7.3], [Federally Enforceable Through Title V]
8. Source testing shall be performed for NOx (ppmv) according to EPA Method 7E (or ARB Method 100). Source testing for CO (ppmv) shall be performed according to EPA Method 10 (or ARB Method 100). [District Rule 4701, 6.4]
9. The following conditions must be met for representative unit(s) to be used to determine emissions for a group of units: 1) all units in the group are similar in terms of rated brake horsepower, make and series, operational conditions, maintenance, fuel used, and control method, 2) the group is owned by a single owner and located at a single stationary source, and 3) the selection of the representative unit(s) is approved by the APCO prior to testing. [District Rule 4701, 6.3.2]
10. The number of representative unit source tested shall be at least 10% of all units in the 600 BHP group. [District Rule 4701, 6.3.2]
11. All units in a group for which representative units are source tested to determine emissions shall have received the same maintenance and tune-up procedures as the representative unit(s). [District Rule 4701, 6.3.2]
12. An engine operating log shall be maintained for the each unit of the group. The log shall include, on a monthly basis, the total hours of operation, quantity of fuel used, and preventative and corrective maintenance and modifications performed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Should any of the representative units exceed the required emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. (This requirement shall not supersede a more stringent NSR or PSD permit testing requirement). [District Rule 4701, 6.3.2]
14. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. Compliance may be demonstrated by either utilizing PUC regulated gas or by source testing or by showing that the fuel sulfur content of natural gas is not greater than 4.2% by weight. [District Rule 4801], [Federally Enforceable Through Title V]
15. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201], [Federally Enforceable Through Title V]
16. An engine operating log shall be maintained on monthly basis specifying whether the IC engine is fired on PUC-regulated natural gas or not. If the IC engine is fired on PUC-regulated natural gas then the name of source shall be recorded. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the fuel being fired in the IC engine shall be determined using ASTM method D 2784, D 1072, D 3031, D 4084 or D 3246. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
18. If the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

## **Initial TV Permit**

19. Compliance with the requirements for this permit unit shall be deemed compliance with District Rules 4201 and 4801 and Kern County Rule 407. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-48-5-3

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

600 BHP NATURAL GAS FIRED CLARK MODEL RA-6 IC ENGINE DRIVING COMPRESSOR, S/N 21168

## **PERMIT UNIT REQUIREMENTS**

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1. Engine shall only use natural gas as fuel. [District NSR Rule], [Federally Enforceable Through Title V]
2. Emission rates shall not exceed the following: NOx (as NO2): 740 ppmv or 10.1 g/bhp-hr and CO: 2000 ppmv. [District Rule 4701, 5.1]
3. NOx and CO emissions shall be determined not less than once every 24 months, except as provided below. [District Rule 4701, 6.3.1]
4. NOx and CO emissions shall be determined by annual source testing of one or more representative IC engines as approved by the APCO. [District Rule 4701, 6.3.2]
5. District must be notified 30 days prior to any source testing and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081, 7.1], [Federally Enforceable Through Title V]
6. Source testing shall be by District witnessed, or authorized, sample collection by ARB certified testing laboratory. [District Rule 1081, 7.2], [Federally Enforceable Through Title V]
7. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081, 7.3], [Federally Enforceable Through Title V]
8. Source testing shall be performed for NOx (ppmv) according to EPA Method 7E (or ARB Method 100). Source testing for CO (ppmv) shall be performed according to EPA Method 10 (or ARB Method 100). [District Rule 4701, 6.4]
9. The following conditions must be met for representative unit(s) to be used to determine emissions for a group of units: 1) all units in the group are similar in terms of rated brake horsepower, make and series, operational conditions, maintenance, fuel used, and control method, 2) the group is owned by a single owner and located at a single stationary source, and 3) the selection of the representative unit(s) is approved by the APCO prior to testing. [District Rule 4701, 6.3.2]
10. The number of representative unit source tested shall be at least 10% of all units in the 600 BHP group. [District Rule 4701, 6.3.2]
11. All units in a group for which representative units are source tested to determine emissions shall have received the same maintenance and tune-up procedures as the representative unit(s). [District Rule 4701, 6.3.2]
12. An engine operating log shall be maintained for the each unit of the group. The log shall include, on a monthly basis, the total hours of operation, quantity of fuel used, and preventative and corrective maintenance and modifications performed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Should any of the representative units exceed the required emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. (This requirement shall not supersede a more stringent NSR or PSD permit testing requirement). [District Rule 4701, 6.3.2]
14. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. Compliance may be demonstrated by either utilizing PUC regulated gas or by source testing or by showing that the fuel sulfur content of natural gas is not greater than 4.2% by weight. [District Rule 4801], [Federally Enforceable Through Title V]
15. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201], [Federally Enforceable Through Title V]
16. An engine operating log shall be maintained on monthly basis specifying whether the IC engine is fired on PUC-regulated natural gas or not. If the IC engine is fired on PUC-regulated natural gas then the name of source shall be recorded. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the fuel being fired in the IC engine shall be determined using ASTM method D 2784, D 1072, D 3031, D 4084 or D 3246. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
18. If the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]



## **Initial TV Permit**

19. Compliance with the requirements for this permit unit shall be deemed compliance with District Rules 4201 and 4801 and Kern County Rule 407. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-48-6-2

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

660 BHP NATURAL GAS/LPG FIRED CLARK MODEL HRA-6-M IC ENGINE #4 DRIVING COMPRESSOR, S/N 21285  
(CANCELED BY PERMITTEE @ RENEWAL BILLING - TEG 8/26/98)

## **PERMIT UNIT REQUIREMENTS**

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Engine shall only use natural gas or LPG as fuel. [ ]
3. Emission rates shall not exceed the following: NOx (as NO2): 740 ppmv or 10.1 g/bhp-hr and CO: 2000 ppmv. [ ]
4. Compliance with NOx and CO emission limits shall be demonstrated not less than once every 24 months, except as provided below. [District Rule 4701]
5. Compliance with NOx and CO emission limits may be demonstrated by submission of annual source test results from one or more representative IC engines as approved by the APCO. [District Rule 4701]
6. Compliance demonstration (source testing) shall be by District witnessed, or authorized, sample collection by ARB certified testing laboratory. [District Rule 1081]
7. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081]
8. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081]
9. The District shall be notified in writing prior to switching fuel types. [ ]

**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-48-7-3

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

660 BHP NATURAL GAS FIRED CLARK MODEL HRA-6-M IC ENGINE DRIVING COMPRESSOR, S/N 21287

## **PERMIT UNIT REQUIREMENTS**

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1. Engine shall only use natural gas as fuel. [District NSR Rule], [Federally Enforceable Through Title V]
2. Emission rates shall not exceed the following: NOx (as NO2): 740 ppmv or 10.1 g/bhp-hr and CO: 2000 ppmv. [District Rule 4701, 5.1]
3. NOx and CO emissions shall be determined not less than once every 24 months, except as provided below. [District Rule 4701, 6.3.1]
4. NOx and CO emissions shall be determined by annual source testing of one or more representative IC engines as approved by the APCO. [District Rule 4701, 6.3.2]
5. District must be notified 30 days prior to any source testing and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081, 7.1], [Federally Enforceable Through Title V]
6. Source testing shall be by District witnessed, or authorized, sample collection by ARB certified testing laboratory. [District Rule 1081, 7.2], [Federally Enforceable Through Title V]
7. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081, 7.3], [Federally Enforceable Through Title V]
8. Source testing shall be performed for NOx (ppmv) according to EPA Method 7E (or ARB Method 100). Source testing for CO (ppmv) shall be performed according to EPA Method 10 (or ARB Method 100). [District Rule 4701, 6.4]
9. The following conditions must be met for representative unit(s) to be used to determine emissions for a group of units: 1) all units in the group are similar in terms of rated brake horsepower, make and series, operational conditions, maintenance, fuel used, and control method, 2) the group is owned by a single owner and located at a single stationary source, and 3) the selection of the representative unit(s) is approved by the APCO prior to testing. [District Rule 4701, 6.3.2]
10. The number of representative unit source tested shall be at least 10% of all units in the 660 BHP group. [District Rule 4701, 6.3.2]
11. All units in a group for which representative units are source tested to determine emissions shall have received the same maintenance and tune-up procedures as the representative unit(s). [District Rule 4701, 6.3.2]
12. An engine operating log shall be maintained for the each unit of the group. The log shall include, on a monthly basis, the total hours of operation, quantity of fuel used, and preventative and corrective maintenance and modifications performed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Should any of the representative units exceed the required emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. (This requirement shall not supersede a more stringent NSR or PSD permit testing requirement). [District Rule 4701, 6.3.2]
14. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. Compliance may be demonstrated by either utilizing PUC regulated gas or by source testing or by showing that the fuel sulfur content of natural gas is not greater than 4.2% by weight. [District Rule 4801], [Federally Enforceable Through Title V]
15. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201], [Federally Enforceable Through Title V]
16. An engine operating log shall be maintained on monthly basis specifying whether the IC engine is fired on PUC-regulated natural gas or not. If the IC engine is fired on PUC-regulated natural gas then the name of source shall be recorded. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the fuel being fired in the IC engine shall be determined using ASTM method D 2784, D 1072, D 3031, D 4084 or D 3246. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
18. If the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

## **Initial TV Permit**

19. Compliance with the requirements for this permit unit shall be deemed compliance with District Rules 4201 and 4801 and Kern County Rule 407. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-48-8-3

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

660 BHP NATURAL GAS FIRED CLARK MODEL HRA-6-M IC ENGINE DRIVING COMPRESSOR, S/N A-21286

## **PERMIT UNIT REQUIREMENTS**

1. Engine shall only use natural gas as fuel. [District NSR Rule], [Federally Enforceable Through Title V]
2. Emission rates shall not exceed the following: NOx (as NO2): 740 ppmv or 10.1 g/bhp-hr and CO: 2000 ppmv. [District Rule 4701, 5.1]
3. NOx and CO emissions shall be determined not less than once every 24 months, except as provided below. [District Rule 4701, 6.3.1]
4. NOx and CO emissions shall be determined by annual source testing of one or more representative IC engines as approved by the APCO. [District Rule 4701, 6.3.2]
5. District must be notified 30 days prior to any source testing and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081, 7.1], [Federally Enforceable Through Title V]
6. Source testing shall be by District witnessed, or authorized, sample collection by ARB certified testing laboratory. [District Rule 1081, 7.2], [Federally Enforceable Through Title V]
7. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081, 7.3], [Federally Enforceable Through Title V]
8. Source testing shall be performed for NOx (ppmv) according to EPA Method 7E (or ARB Method 100). Source testing for CO (ppmv) shall be performed according to EPA Method 10 (or ARB Method 100). [District Rule 4701, 6.4]
9. The following conditions must be met for representative unit(s) to be used to determine emissions for a group of units: 1) all units in the group are similar in terms of rated brake horsepower, make and series, operational conditions, maintenance, fuel used, and control method, 2) the group is owned by a single owner and located at a single stationary source, and 3) the selection of the representative unit(s) is approved by the APCO prior to testing. [District Rule 4701, 6.3.2]
10. The number of representative unit source tested shall be at least 10% of all units in the 660 BHP group. [District Rule 4701, 6.3.2]
11. All units in a group for which representative units are source tested to determine emissions shall have received the same maintenance and tune-up procedures as the representative unit(s). [District Rule 4701, 6.3.2]
12. An engine operating log shall be maintained for the each unit of the group. The log shall include, on a monthly basis, the total hours of operation, quantity of fuel used, and preventative and corrective maintenance and modifications performed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Should any of the representative units exceed the required emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. (This requirement shall not supersede a more stringent NSR or PSD permit testing requirement). [District Rule 4701, 6.3.2]
14. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. Compliance may be demonstrated by either utilizing PUC regulated gas or by source testing or by showing that the fuel sulfur content of natural gas is not greater than 4.2% by weight. [District Rule 4801], [Federally Enforceable Through Title V]
15. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201], [Federally Enforceable Through Title V]
16. An engine operating log shall be maintained on monthly basis specifying whether the IC engine is fired on PUC-regulated natural gas or not. If the IC engine is fired on PUC-regulated natural gas then the name of source shall be recorded. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the fuel being fired in the IC engine shall be determined using ASTM method D 2784, D 1072, D 3031, D 4084 or D 3246. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
18. If the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

## **Initial TV Permit**

19. Compliance with the requirements for this permit unit shall be deemed compliance with District Rules 4201 and 4801 and Kern County Rule 407. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-48-9-4

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

800 BHP NATURAL GAS FIRED CLARK MODEL RA-8 IC ENGINE DRIVING COMPRESSOR, S/N 25748

## **PERMIT UNIT REQUIREMENTS**

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1. Engine shall only use natural gas as fuel. [District NSR Rule], [Federally Enforceable Through Title V]
2. Emission rates shall not exceed the following: NOx (as NO<sub>2</sub>): 740 ppmv or 10.1 g/bhp-hr and CO: 2000 ppmv. [District Rule 4701, 5.1]
3. NOx and CO emissions shall be determined not less than once every 24 months, except as provided below. [District Rule 4701, 6.3.1]
4. NOx and CO emissions shall be determined by annual source testing of one or more representative IC engines as approved by the APCO. [District Rule 4701, 6.3.2]
5. District must be notified 30 days prior to any source testing and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081, 7.1], [Federally Enforceable Through Title V]
6. Source testing shall be by District witnessed, or authorized, sample collection by ARB certified testing laboratory. [District Rule 1081, 7.2], [Federally Enforceable Through Title V]
7. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081, 7.3], [Federally Enforceable Through Title V]
8. Source testing shall be performed for NOx (ppmv) according to EPA Method 7E (or ARB Method 100). Source testing for CO (ppmv) shall be performed according to EPA Method 10 (or ARB Method 100). [District Rule 4701, 6.4]
9. The following conditions must be met for representative unit(s) to be used to determine emissions for a group of units: 1) all units in the group are similar in terms of rated brake horsepower, make and series, operational conditions, maintenance, fuel used, and control method, 2) the group is owned by a single owner and located at a single stationary source, and 3) the selection of the representative unit(s) is approved by the APCO prior to testing. [District Rule 4701, 6.3.2]
10. The number of representative unit source tested shall be at least 10% of all units in the 800 BHP group. [District Rule 4701, 6.3.2]
11. All units in a group for which representative units are source tested to determine emissions shall have received the same maintenance and tune-up procedures as the representative unit(s). [District Rule 4701, 6.3.2]
12. An engine operating log shall be maintained for the each unit of the group. The log shall include, on a monthly basis, the total hours of operation, quantity of fuel used, and preventative and corrective maintenance and modifications performed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Should any of the representative units exceed the required emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. (This requirement shall not supersede a more stringent NSR or PSD permit testing requirement). [District Rule 4701, 6.3.2]
14. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. Compliance may be demonstrated by either utilizing PUC regulated gas or by source testing or by showing that the fuel sulfur content of natural gas is not greater than 4.2% by weight. [District Rule 4801], [Federally Enforceable Through Title V]
15. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201], [Federally Enforceable Through Title V]
16. An engine operating log shall be maintained on monthly basis specifying whether the IC engine is fired on PUC-regulated natural gas or not. If the IC engine is fired on PUC-regulated natural gas then the name of source shall be recorded. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the fuel being fired in the IC engine shall be determined using ASTM method D 2784, D 1072, D 3031, D 4084 or D 3246. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
18. If the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

## **Initial TV Permit**

19. Compliance with the requirements for this permit unit shall be deemed compliance with District Rules 4201 and 4801 and Kern County Rule 407. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]



**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-48-10-4

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

660 BHP NATURAL GAS FIRED CLARK MODEL HRA-6-M IC ENGINE DRIVING COMPRESSOR, S/N A-21383

## **PERMIT UNIT REQUIREMENTS**

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1. Engine shall only use natural gas as fuel. [District NSR Rule], [Federally Enforceable Through Title V]
2. Emission rates shall not exceed the following: NOx (as NO2): 740 ppmv or 10.1 g/bhp-hr and CO: 2000 ppmv. [District Rule 4701, 5.1]
3. NOx and CO emissions shall be determined not less than once every 24 months, except as provided below. [District Rule 4701, 6.3.1]
4. NOx and CO emissions shall be determined by annual source testing of one or more representative IC engines as approved by the APCO. [District Rule 4701, 6.3.2]
5. District must be notified 30 days prior to any source testing and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081, 7.1], [Federally Enforceable Through Title V]
6. Source testing shall be by District witnessed, or authorized, sample collection by ARB certified testing laboratory. [District Rule 1081, 7.2], [Federally Enforceable Through Title V]
7. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081, 7.3], [Federally Enforceable Through Title V]
8. Source testing shall be performed for NOx (ppmv) according to EPA Method 7E (or ARB Method 100). Source testing for CO (ppmv) shall be performed according to EPA Method 10 (or ARB Method 100). [District Rule 4701, 6.4]
9. The following conditions must be met for representative unit(s) to be used to determine emissions for a group of units: 1) all units in the group are similar in terms of rated brake horsepower, make and series, operational conditions, maintenance, fuel used, and control method, 2) the group is owned by a single owner and located at a single stationary source, and 3) the selection of the representative unit(s) is approved by the APCO prior to testing. [District Rule 4701, 6.3.2]
10. The number of representative unit source tested shall be at least 10% of all units in the 660 BHP group. [District Rule 4701, 6.3.2]
11. All units in a group for which representative units are source tested to determine emissions shall have received the same maintenance and tune-up procedures as the representative unit(s). [District Rule 4701, 6.3.2]
12. An engine operating log shall be maintained for the each unit of the group. The log shall include, on a monthly basis, the total hours of operation, quantity of fuel used, and preventative and corrective maintenance and modifications performed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
13. Should any of the representative units exceed the required emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. (This requirement shall not supersede a more stringent NSR or PSD permit testing requirement). [District Rule 4701, 6.3.2]
14. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. Compliance may be demonstrated by either utilizing PUC regulated gas or by source testing or by showing that the fuel sulfur content of natural gas is not greater than 4.2% by weight. [District Rule 4801], [Federally Enforceable Through Title V]
15. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201], [Federally Enforceable Through Title V]
16. An engine operating log shall be maintained on monthly basis specifying whether the IC engine is fired on PUC-regulated natural gas or not. If the IC engine is fired on PUC-regulated natural gas then the name of source shall be recorded. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
17. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the fuel being fired in the IC engine shall be determined using ASTM method D 2784, D 1072, D 3031, D 4084 or D 3246. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
18. If the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

## **Initial TV Permit**

19. Compliance with the requirements for this permit unit shall be deemed compliance with District Rules 4201 and 4801 and Kern County Rule 407. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-48-11-1

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

300 BHP INGERSOLL RAND LEAN BURN IC ENGINE INCLUDING PRE-STRATIFIED CHARGE SYSTEM

## **PERMIT UNIT REQUIREMENTS**

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1. Exhaust stream oxygen concentration shall be 4% by volume or greater. [District Rule 4701]
2. Pre-stratified charge system shall be installed and operated as intended by manufacturer for optimum performance. [District NSR Rule], [Federally Enforceable Through Title V]
3. Emissions rate shall not exceed any of the following: NOx (as NO2): 150 ppmv @ 15% O2 or CO: 2000 ppmv @ 15% O2. [District Rule 4701]
4. NOx and CO emission rates shall be determined not less than once every 24 months, except as provided below. [District Rule 4701, 6.3.1]
5. NOx and CO emission rates may be determined by submission of annual source test results from one or more representative IC engines as approved by the APCO. [District Rule 4701, 6.3.2]
6. District must be notified 30 days prior to any source testing and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081, 7.1], [Federally Enforceable Through Title V]
7. Source testing shall be by District witnessed, or authorized, sample collection by ARB certified testing laboratory. [District Rule 1081, 7.2], [Federally Enforceable Through Title V]
8. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081, 7.3], [Federally Enforceable Through Title V]
9. Source testing shall be performed for NOx (ppmv) according to EPA Method 7E (or ARB Method 100). Source testing for CO (ppmv) shall be performed according to EPA Method 10 (or ARB Method 100). [District Rule 4701, 6.4]
10. The following conditions must be met for representative unit(s) to be used to determine emissions for a group of units: 1) all units in the group are similar in terms of rated brake horsepower, make and series, operational conditions, maintenance, fuel used, and control method, 2) the group is owned by a single owner and located at a single stationary source, and 3) the selection of the representative unit(s) is approved by the APCO prior to testing. [District Rule 4701, 6.3.2]
11. The number of representative unit source tested shall be at least 10% of all units in the 300 BHP group. [District Rule 4701, 6.3.2]
12. All units in a group for which representative units are source tested to determine emissions shall have received the same maintenance and tune-up procedures as the representative unit(s). [District Rule 4701, 6.3.2]
13. An engine operating log shall be maintained for the each unit of the group. The log shall include, on a monthly basis, the total hours of operation, quantity of fuel used, and preventative and corrective maintenance and modifications performed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Should any of the representative units exceed the required emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. (This requirement shall not supersede a more stringent NSR or PSD permit testing requirement.) [District Rule 4701, 6.3.2]
15. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. Compliance may be demonstrated by either utilizing PUC regulated gas or by source testing or by showing that the fuel sulfur content of natural gas is not greater than 4.2% by weight. [District Rule 4801], [Federally Enforceable Through Title V]
16. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201], [Federally Enforceable Through Title V]
17. An engine operating log shall be maintained on monthly basis specifying whether the IC engine is fired on PUC-regulated natural gas or not. If the IC engine is fired on PUC-regulated natural gas then the name of source shall be recorded. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
18. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the fuel being fired in the IC engine shall be determined using ASTM method D 2784, D 1072, D 3031, D 4084 or D 3246. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

## **Initial TV Permit**

19. If the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
20. Compliance with the requirements for this permit unit shall be deemed compliance with District Rules 4201 and 4801 and Kern County Rule 407. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

## Initial TV Permit

### San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-48-12-0

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

330 BHP GAS FIRED CLARK IC ENGINE #15, S/N 22416. (CANCELLED BY PERMITTEE LETTER DATED 3/23/99 - CMD 3/29/99)

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]

**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-48-13-0

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

300 BHP GAS FIRED CLARK IC ENGINE #13, S/N 22399 (CANCELLED BY APPLICANT ON 8/4/97)

## **PERMIT UNIT REQUIREMENTS**

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]

## Initial TV Permit

### San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** S-48-14-0

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

300 BHP GAS FIRED CLARK IC ENGINE #14, S/N 22377. (CANCELLED BY PERMITTEE LETTER DATED 3/23/99 - CMD 3/29/99)

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]

**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-48-15-0

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

85 BHP GAS FIRED FORD IC ENGINE #3-A

## **PERMIT UNIT REQUIREMENTS**

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]



**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-48-16-0

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

56 BHP GAS FIRED WAUKESHA IC ENGINE #2-A, S/N 31682

## **PERMIT UNIT REQUIREMENTS**

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-48-17-4

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

63 BHP GAS FIRED WAUKESHA IC ENGINE (#A-2, S/N 842121) WITH NSCR

**PERMIT UNIT REQUIREMENTS**

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1. Emission rates shall not exceed the following (corrected to 15% O<sub>2</sub>): NO<sub>x</sub> (as NO<sub>2</sub>): 90 and CO: 2000 ppmv. [District NSR Rule], [Federally Enforceable Through Title V]
  2. The engine shall be equipped with a non-resettable elapsed-time meter indicating total hours of operation. [District NSR Rule and District Rule 4701], [Federally Enforceable Through Title V]
  3. Unit shall not operate more than 200 hours per calendar year for non-emergency purposes. [District Rule 4701, 3.19]
  4. Permittee shall maintain records of hours of emergency and non-emergency use and shall make such records readily available for District inspection upon request. [District Rule 4701, 6.5 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  5. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. Compliance may be demonstrated by either utilizing PUC regulated gas or by source testing or by showing that the fuel sulfur content is not greater than 4.2%. [District Rule 4801], [Federally Enforceable Through Title V]
  6. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201], [Federally Enforceable Through Title V]
  7. An engine operating log shall be maintained on monthly basis specifying whether the IC engine is fired on PUC-regulated natural gas or not. If the IC engine is fired on PUC-regulated natural gas then the name of source shall be recorded. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  8. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined using ASTM method D 1072, D 3031, D 4084 or D 3246. [District Rule 4701, 6.4]
  9. If the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  10. Compliance with the requirements for this permit unit shall be deemed compliance with District Rules 4201 and 4801 and Kern County Rule 407. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-48-18-4

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

63 BHP GAS FIRED WAUKESHA IC ENGINE (#A-1, S/N 94272) WITH NSCR

## **PERMIT UNIT REQUIREMENTS**

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1. Emission rates shall not exceed the following (corrected to 15% O<sub>2</sub>): NO<sub>x</sub> (as NO<sub>2</sub>): 90 and CO: 2000 ppmv. [District NSR Rule], [Federally Enforceable Through Title V]
  2. The engine shall be equipped with a non-resettable elapsed-time meter indicating total hours of operation. [District NSR Rule and District Rule 4701], [Federally Enforceable Through Title V]
  3. Unit shall not operate more than 200 hours per calendar year for non-emergency purposes. [District Rule 4701, 3.19]
  4. Permittee shall maintain records of hours of emergency and non-emergency use and shall make such records readily available for District inspection upon request. [District Rule 4701, 6.5 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  5. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. Compliance may be demonstrated by either utilizing PUC regulated gas or by source testing or by showing that the fuel sulfur content is not greater than 4.2%. [District Rule 4801], [Federally Enforceable Through Title V]
  6. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201], [Federally Enforceable Through Title V]
  7. An engine operating log shall be maintained on monthly basis specifying whether the IC engine is fired on PUC-regulated natural gas or not. If the IC engine is fired on PUC-regulated natural gas then the name of source shall be recorded. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  8. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined using ASTM method D 1072, D 3031, D 4084 or D 3246. [District Rule 4701, 6.4]
  9. If the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  10. Compliance with the requirements for this permit unit shall be deemed compliance with District Rules 4201 and 4801 and Kern County Rule 407. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-48-19-3

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

63 BHP GAS FIRED WAUKESHA IC ENGINE #4-A

## **PERMIT UNIT REQUIREMENTS**

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1. The engine shall be operated only for maintenance, testing, and required regulatory purposes, or emergency situations. Operation of engine for maintenance and testing purposes shall not exceed 200 hours per calendar year. [District Rule 4701, 3.19]
  2. Permittee shall maintain records of hours of emergency and non-emergency use and shall make such records readily available for District inspection upon request. [District Rule 4701 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  3. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. Compliance may be demonstrated by either utilizing PUC regulated gas or by source testing or by showing that the fuel sulfur content is not greater than 4.2%. [District Rule 4801], [Federally Enforceable Through Title V]
  4. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201], [Federally Enforceable Through Title V]
  5. An engine operating log shall be maintained on monthly basis specifying whether the IC engine is fired on PUC-regulated natural gas or not. If the IC engine is fired on PUC-regulated natural gas then the name of source shall be recorded. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  6. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined using ASTM method D 1072, D 3031, D 4084 or D 3246. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  7. If the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  8. Compliance with the requirements for this permit unit shall be deemed compliance with District Rules 4201 and 4801 and Kern County Rule 407. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-48-20-4

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

63 BHP GAS FIRED WAUKESHA IC ENGINE (#A-3, S/N 19799) WITH NSCR

## **PERMIT UNIT REQUIREMENTS**

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1. Emission rates shall not exceed the following (corrected to 15% O<sub>2</sub>): NO<sub>x</sub> (as NO<sub>2</sub>): 90 and CO: 2000 ppmv. [District NSR Rule], [Federally Enforceable Through Title V]
  2. The engine shall be equipped with a non-resettable elapsed-time meter indicating total hours of operation. [District NSR Rule and District Rule 4701], [Federally Enforceable Through Title V]
  3. Unit shall not operate more than 200 hours per calendar year for non-emergency purposes. [District Rule 4701, 3.19]
  4. Permittee shall maintain records of hours of emergency and non-emergency use and shall make such records readily available for District inspection upon request. [District Rule 4701, 6.5 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  5. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. Compliance may be demonstrated by either utilizing PUC regulated gas or by source testing or by showing that the fuel sulfur content is not greater than 4.2%. [District Rule 4801], [Federally Enforceable Through Title V]
  6. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201], [Federally Enforceable Through Title V]
  7. An engine operating log shall be maintained on monthly basis specifying whether the IC engine is fired on PUC-regulated natural gas or not. If the IC engine is fired on PUC-regulated natural gas then the name of source shall be recorded. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  8. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined using ASTM method D 1072, D 3031, D 4084 or D 3246. [District Rule 4701, 6.4]
  9. If the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  10. Compliance with the requirements for this permit unit shall be deemed compliance with District Rules 4201 and 4801 and Kern County Rule 407. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

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**PERMIT UNIT:** S-48-21-0

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

108 BHP GAS FIRED WAUKESHA IC ENGINE #1-A, S/N 67021

## **PERMIT UNIT REQUIREMENTS**

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]

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**PERMIT UNIT:** S-48-22-2

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

600 BHP DIESEL FIRED CUMMINS IC ENGINE, S/N 31134966

## **PERMIT UNIT REQUIREMENTS**

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1. The engine shall be operated only for maintenance, testing, and required regulatory purposes, or emergency situations. Operation of engine for maintenance and testing purposes shall not exceed 200 hours per calendar year. [District Rule 4701, 3.19]
  2. Permittee shall maintain records of hours of emergency and non-emergency use and shall make such records readily available for District inspection upon request. [District Rule 4701, 6.5 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  3. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Kern County Rule 407 and District Rule 4801], [Federally Enforceable Through Title V]
  4. Particulate matter emissions shall not exceed in concentration at the point of discharge 0.1 gr/dscf. [District Rule 4201; Kern County Rule 404], [Federally Enforceable Through Title V]
  5. If the IC engine is fired on ARB regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, the operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  6. If the IC engine is not fired on ARB regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, then the owner or operator shall determine the sulfur content of each delivery of diesel fuel being fired in the IC engine and shall show that the sulfur content is less than 3.0%. The sulfur content shall be determined by ASTM method D 2880. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  7. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements of District Rule 4201 and 4801 and Kern County Rule 407. A permit shield is granted from this requirement. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

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**PERMIT UNIT:** S-48-23-1

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

14,500 NATURAL GASOLINE STORAGE TANK

## **PERMIT UNIT REQUIREMENTS**

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1. The tank shall maintain a working pressure at all times sufficient to prevent organic liquid loss or VOC loss to the atmosphere. [District Rule 4623], [Federally Enforceable Through Title V]



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**Air Pollution Control District**

**PERMIT UNIT:** S-48-24-1

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

300 BHP GAS FIRED LEAN BURN INGERSOLL RAND IC ENGINE WITH PRE-STRATIFIED CHARGE SYSTEM

## **PERMIT UNIT REQUIREMENTS**

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1. Exhaust stream oxygen concentration shall be 4% by volume or greater. [District Rule 4701]
2. Pre-stratified charge system shall be installed and operated as intended by manufacturer for optimum performance. [District NSR Rule], [Federally Enforceable Through Title V]
3. Emissions rate shall not exceed any of the following: NOx (as NO2): 150 ppmv @ 15% O2 or CO: 2000 ppmv @ 15% O2. [District Rule 4701]
4. NOx and CO emission rates shall be determined not less than once every 24 months, except as provided below. [District Rule 4701, 6.3.1]
5. NOx and CO emission rates may be determined by submission of annual source test results from one or more representative IC engines as approved by the APCO. [District Rule 4701, 6.3.2]
6. District must be notified 30 days prior to any source testing and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081, 7.1], [Federally Enforceable Through Title V]
7. Source testing shall be by District witnessed, or authorized, sample collection by ARB certified testing laboratory. [District Rule 1081, 7.2], [Federally Enforceable Through Title V]
8. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081, 7.3], [Federally Enforceable Through Title V]
9. Source testing shall be performed for NOx (ppmv) according to EPA Method 7E (or ARB Method 100). Source testing for CO (ppmv) shall be performed according to EPA Method 10 (or ARB Method 100). [District Rule 4701, 6.4]
10. The following conditions must be met for representative unit(s) to be used to determine emissions for a group of units: 1) all units in the group are similar in terms of rated brake horsepower, make and series, operational conditions, maintenance, fuel used, and control method, 2) the group is owned by a single owner and located at a single stationary source, and 3) the selection of the representative unit(s) is approved by the APCO prior to testing. [District Rule 4701, 6.3.2]
11. The number of representative unit source tested shall be at least 10% of all units in the 300 BHP group. [District Rule 4701, 6.3.2]
12. All units in a group for which representative units are source tested to determine emissions shall have received the same maintenance and tune-up procedures as the representative unit(s). [District Rule 4701, 6.3.2]
13. An engine operating log shall be maintained for the each unit of the group. The log shall include, on a monthly basis, the total hours of operation, quantity of fuel used, and preventative and corrective maintenance and modifications performed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
14. Should any of the representative units exceed the required emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. (This requirement shall not supersede a more stringent NSR or PSD permit testing requirement.) [District Rule 4701, 6.3.2]
15. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. Compliance may be demonstrated by either utilizing PUC regulated gas or by source testing or by showing that the fuel sulfur content of natural gas is not greater than 4.2% by weight. [District Rule 4801], [Federally Enforceable Through Title V]
16. Particulate emissions shall not exceed at the point of discharge, 0.1 gr/dscf. [District Rule 4201], [Federally Enforceable Through Title V]
17. An engine operating log shall be maintained on monthly basis specifying whether the IC engine is fired on PUC-regulated natural gas or not. If the IC engine is fired on PUC-regulated natural gas then the name of source shall be recorded. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
18. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the fuel being fired in the IC engine shall be determined using ASTM method D 2784, D 1072, D 3031, D 4084 or D 3246. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

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19. If the engine is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for 8 consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until eight consecutive weeks show compliance. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
20. Compliance with the requirements for this permit unit shall be deemed compliance with District Rules 4201 and 4801 and Kern County Rule 407. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

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**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** S-48-25-1

**EXPIRATION DATE:** 08/31/2003

**EQUIPMENT DESCRIPTION:**

244 HP EMERGENCY DIESEL FIRED I.C. ENGINE WITH TURBOCHARGER AND INTERCOOLER DRIVING ELECTRIC GENERATOR

**PERMIT UNIT REQUIREMENTS**

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1. The engine shall be operated only for maintenance, testing, and required regulatory purposes, or emergency situations. Operation of engine for maintenance and testing purposes shall not exceed 200 hours per calendar year. [District Rule 4701, 3.19]
  2. Permittee shall maintain records of hours of emergency and non-emergency use and shall make such records readily available for District inspection upon request. [District Rule 4701, 6.5 and District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  3. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Kern County Rule 407 and District Rule 4801], [Federally Enforceable Through Title V]
  4. Particulate matter emissions shall not exceed in concentration at the point of discharge 0.1 gr/dscf. [District Rule 4201; Kern County Rule 404], [Federally Enforceable Through Title V]
  5. If the IC engine is fired on ARB regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, the operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  6. If the IC engine is not fired on ARB regulated diesel fuel, with a supplier certified sulfur content less than 0.05% by weight, then the owner or operator shall determine the sulfur content of each delivery of diesel fuel being fired in the IC engine and shall show that the sulfur content is less than 3.0%. The sulfur content shall be determined by ASTM method D 2880-71. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  7. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements of District Rule 4201 and 4801 and Kern County Rule 407. A permit shield is granted from this requirement. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]

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